

WAC 463-42-322 Natural environment -- Water. The applicant shall provide detailed descriptions of the affected natural water environment, project impacts and mitigation and shall demonstrate that facility construction and/or operational discharges will be compatible with and meet state water quality standards. The applicant shall indicate the source and the amount of water required during construction and operation of the plant and show that it is available for this use and describe all existing water rights, withdrawal authorizations, or restrictions which relate to the proposed source.

(1) Surface water movement/quality/quantity - The application shall set forth all background water quality data pertinent to the site, and hydrographic study data and analysis of the receiving waters within one-half mile of any proposed discharge location with regard to: Bottom configuration; minimum, average, and maximum water depths and velocities; water temperature and salinity profiles; anticipated effluent distribution and dilution, and plume characteristics under all discharge conditions; and other relevant characteristics which could influence the impact of any wastes discharged thereto.

(2) Runoff/absorption - The applicant shall describe how surface water runoff and erosion are to be controlled during construction and operation, how runoff can be reintroduced to the ground for retention to the ground water supply, and to assure compliance with state water quality standards.

(3) Floods - The applicant shall describe the potential for flooding at and near the proposed site, identify the five, fifty, and one hundred, ~~and five hundred~~ year flood boundaries, describe possible flood impacts at the site as well as possible flood related impacts both upstream and downs stream of the proposed facility as a result of

construction and operation and all protective measures to prevent possible flood damage to the site and facility.

(4) Ground water movement/quantity/quality - The applicant shall include the results of a comprehensive hydrologic survey, describe the ground water conditions on and near the site and any changes in ground water movement, quantity, or quality which might result from project construction or operation.

(5) Public water supplies - The applicant shall provide a detailed description of any public water supplies which may be used or affected by the project during construction or operation of the facility.

[Statutory Authority: RCW 80.50.040. 92-23-012, § 463-42-322, filed 11/6/92, effective 12/7/92.]